COMBINED DECLARATION/POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled <u>APPARATUS AND METHOD</u> FOR IDENTIFICATION OF INDIVIDUALS BY NEAR-INFRARED SPECTRUM, the specification of which (check one):

	is attached hereto
XX	was filed on October 8, 1999 as U.S. Application Serial No. <u>09/415,594</u>
	and was amended on (if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefit(s) under Title 35, United States Code §119 (a)-(d) of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

Prior Foreign Application(s)

Number
Country
Day/Month/Year Filed
Priority (yes/no)

Number :
Country :
Day/Month/Year Filed :
Priority (yes/no) :

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) as listed below:

Provisional Application No.:

Filing Date

Provisional Application No. :

Filing Date :

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) or PCT international applications designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information that is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 and that which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application Serial No.

Filing Date

Status (patented, pending, abandoned)

Application Serial No. :

Filing Date :

Status (patented, pending, abandoned)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

David M. Crompton, Reg. No. 36,772; Glenn M. Seager, Reg. No. 36,926; Brian N. Tufte, Reg. No. 38,638; Craig F. Taylor, Reg. No. 40,199; Robert E. Atkinson, Reg. No. 36,433; Michael A. Kondzella, Reg. No. 18,013; and Allen W. Groenke, Reg. No. 42,608.

Send correspondence to:

David M. Crompton CROMPTON, SEAGER & TUFTE, LLC 331 Second Avenue South, Suite 895 Minneapolis, Minnesota 55401-2246 (612) 677-9050 I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon, I further declare that I understand the content of this declaration.

Full name of sole or first inventor: Robert K. Rowe Residence: 229 Ashley Lane, Corrales, New Mexico 87048 Citizenship: US Post Office Address: 229 Ashley Lane, Corrales, New Mexico 87048 Inventor's Signature Date 12 199
Full name of second or joint inventor: William A. Miller Residence: 39 Camino del Valle, Santa Fe, NM 87501 Citizenship: US Post Office Address: 39 Camino del Valle, Santa Fe, NM 87501
Inventor's Signature William Will Date 12/11/99
Full name of third or joint inventor: Nanxiang Ge Residence: 2 Tulip Drive, Newtown, PA 18940 Citizenship: Peoples Republic of China Post Office Address: 2 Tulip Drive, Newtown, PA 18940
Inventor's Signature
Full name of fourth or joint inventor: Mark Ries Robinson Residence: 1415 Calle de Ranchero NE, Albuquerque, NM 87100 Citizenship: US Post Office Address: 1415 Calle de Ranchero NE, Albuquerque, NM 87100
Inventor's Signature Mark ANL mn Date Dec 17, 1999

1.56 Duty to disclose information material to patentability.

- (a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is cancelled or withdrawn from consideration becomes abandoned. Information material to the patentability of a claim that is cancelled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office encourages applicants to carefully examine:
 - (1) prior art cited in search reports of a foreign patent office in a counterpart application, and
- (2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.
- (b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and
- (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
 - (2) It refutes, or is inconsistent with, a position the applicant takes in:
 - (i) Opposing an argument of unpatentability relied on by the Office, or
 - (ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

- (c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:
 - (1) Each inventor named in the application:
 - (2) Each attorney or agent who prepares or prosecutes the application; and
- (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.
- (d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.

Please type a plus sign (+) inside this b:	\rightarrow	,
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PTO/SB/82 (10-00)

Approved for use through 10/31/2002. OMB 0651-0035 Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

REVOCATION OF POWER OF ATTORNEY OR AUTHORIZATION OF AGENT Application Number Filing Date October 8, 1999 Robert K. Rowe Group Art Unit Examiner Name Werner, Brian P. Attorney Docket Number 09/415,594 October 8, 1999 Robert K. Rowe 2621 Examiner Name Werner, Brian P.

I hereby revoke all previous powers of attorney or authorizations of agent given in the above-identified application:									
OR	wer of Attorn							plication to:	
OR] Customer I	Number []	→		Customer er Bar Code here	
Firm or Individua	al Name								
Address				· · · · · · · · · · · · · · · · · · ·					
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П Аррі	☐ Applicant/Inventor.								
	gnee of reco								
Certi	ificate under	37 CFR 3	1.73(b) is e	enclosed.	(Form	PTO/SB/	96)		•
SIGNATURE of Applicant or Assignee of Record									
Name Robert K. Rowe, Chief Technology Officer Lumidigm, Inc.									
Signature	1		(
Date 11-14-01									
NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.									
	ne forms it more		nature is req	uirea, see	delow".				

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231. DE 7087192 v1

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POWER OF ATTORNEY OR

APPARATUS AND METHOD FOR

09/415;594

October 8, 1999

Robert K. Rowe

PTO/SB/81 (02-01)

Approved for use through 10/31/2002. OMB 0651-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Application Numb r

First Named Inv ntor

Filing Date

AUTHORIZATION OF AGENT	Title	IDENTIFICATION OF INDIVIDUALS BY NEAR-INFRARED SPECTRUM			
	Group Art Unit	2621			
	Examiner Name	Werner, Brian P.			
······································	Attorney Docket Number	020204-001400US			
I hereby appoint:					
☑ Practitioners at Customer Number					
OR		20350			
☐ Practitioner(s) named below:		PATENT TRADEMARK OFFICE			
Name	Registr	ation Number			
as my/our attorney(s) or agent(s) to prosecute the business in the United States Patent and Tradem	e application identified above, and ark Office connected therewith.	to transact all			
Please change the correspondence address for the Image The above-mentioned Customer Number.	he above-identified application to:				
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Practitioners at Customer Number		→			
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Telephone	Fax				
I am the:	•				
 ☐ Applicant/Inventor. ☐ Assignee of record of the entire interest. Set 					
Assignee of record of the entire interest. Se Statement under 37 CFR 3.73(b) is enclosed					
	E of Applicant or Assignee of Re	ecord			
Name Robert K. Rowe, Chief Technology Lumidigm, Inc.					
Signature Signature					
Date 11-14-02					
NOTE: Signatures of all the inventors or assigned	ees of record of the entire interes	st or their representative(s) are required.			
Submit multiple forms if more than one signature Total of one form is submitted.	e is required, see below*.				

Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

DE 7087191 v1

PTO/SB/96 (08-00)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Attorney Docket No. 020204-001400US

STATEME	NT UNDER 37 CFR 3.73(b)				
Applicant/Patent Owner: Robert K. Rowe					
Application No./Patent No.: 09/415,594	Filed/Issue Date: October 8, 1999				
Entitled: APPARATUS AND METHOD FOR IDEN	TIFICATION OF INDIVIDUALS BY NEAR-INFRARED SPECTRUM				
Lumidigm, Inc.	a Delaware corporation				
(Name of Assignee)	(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)				
states that it is:					
1. X the assignee of the entire right, title, and interest; or					
 an assignee of less than the entire rig The extent (by, percentage) of its own 					
in the patent application/patent identified above by	virtue of either:				
A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached.					
OR					
8. A chain of title from the inventor(s), of the paras shown below:	atent application/patent identified above, to the current assignee				
 From: Robert K. Rowe et al. To :Rio Grande Medical Technologies, Inc. The document was recorded in the United States Patent and Trademark Office at Reel 010501, Frame 0170, or for which a copy thereof is attached. 					
 From: Rio Grande Medical Technologie The document will be recorded in the U attached. 	s, Inc. To: Lumidigm, Inc. Inited States Patent and Trademark Office, for which a copy thereof is				
3. From: To :					
The document was recorded in the United States Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached.					
Additional documents in the chain of title are listed on a supplemental sheet.					
☐ Copies of assignments or other documents in the chain of title are attached. [NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.8]					
The undersigned (whose title is supplied below) is	authorized to act on behalf of the assignee.				
11-14-02	Robert K. Rowe				
Date	Typed-or printed name				
i i	Signature				
	Chief Technology Officer Title				

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231. U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL			Application Number		09/832,534; 09/415,594; 09/874,740	
TRANSMITTAL			Filing Date		See attached	
FORM			First Named Inv ntor		Robert K. Rowe	
(to be used for all con	respondence after in	itial filing)	Group A	rt Unit		
			Examine	r Name		
Total Number of Pages	in This Submission		Attorney	Docket Number	02020 4-0	01300US 001400
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Individual name	Patrick M. Boucher Reg. No. 44,037					
Signature	Petus Men					
Date November 14, 2002						
		CE	RTIFICAT	E OF MAILING		
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: U.S. Patent and Trademark Office, CG4 Third Floor, Assignment Branch, 1213 Jefferson Davis Highway, Arlington, VA 22202 on this date: November 14, 2002						
Typed or printed nam	e Nina L. McNe	ill ·				
Signature	Him) 7	M.	Mora	11)	Date	November 14, 2002

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be send to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

DE 7087224 v1

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WARNING: Information on this form may become public. Credit card information should not be Included on this form. Provide credit card information and authorization on PTO-2038.

Form PTO-1595 Recordation Form Cover Sheet U.S. Department of Commerce				
(Rev. 03-01) OMB No. 0651-0027 (exp. 5/31/2002)	PATENTS	SONLY	U.S. Patent and Trademark Office	
Tab settings ⇔ ⇔ · ▼	Y	▼ ▼	Y Y	
To the Honorable Commissioner of I	Patents and Trademarks.			
Name of conveying party(ies):		Name and address of reco	eiving party(ies)	
Rio Grande Medical Technologies,	Inc.	Name: <u>Lumidigm, Inc.</u>		
Additional name(s) of conveying parties attached?	☐ Yes ☒ No.	Internal Address: 800 Bra	dbury S.E., Suite 213	
Nature of conveyance:		Street Address: 800 Brad	bury S.E., Suite 213	
	Merger		State: <u>NMZIP: 87106</u>	
☐ Security Agreement ☐	Change of Name			
Other:		Additional names and addres	sses attached? Yes No	
Franking Data October 40, 2000 and October	V		·	
Execution Date: October 16, 2002 and Octo				
4. Application number(s) or patent number(s	5).			
If this document is being filed together wi	th a new application, th	e execution date of the applica	ation is:	
A. Patent Application No(s):		B. Patent No(s):		
09/415,594 09/832,534				
09/874,740	,			
	Additional numbers atta	│ ached? ☐ Yes ☒ No		
5. Name and address of party to whom co	rrespondence	6. Total number of application	ons and patents involved 3	
concerning document should be mailed:	•			
Name: Patrick M. Boucher		7. Total fee (37 CFR 3.41):	\$120.00	
TOWNSEND AND TOWNSEND AND Two Embarcadero Center, 8th Floor		☐ Enclosed		
San Francisco, California 94111-38		[[[] [] [] []		
(303) 571-4000	,		charged to deposit account	
		8. Deposit account number:	20-1430	
		•	ge if paying by deposit account)	
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9. Statement and signature.				
To the best of my knowledge and belief document.	, the foregoing is true a	nd correct and any attached co	opy is a true of copy of the original	
			1	
Patrick M. Boucher	Patil 1	ae.	November 14, 2002	
Name of Person Signing Atty. Reg. No. 44,037	- Iww.	Signature	November 14, 2002 Date	
Total num	ber of pages including cov	ver sheet, attachments and docum	ent	

ASSIGNMENT

WHEREAS, Rio Grande Medical Technologies, Inc., a New Mexico corporation with its principal offices located at 800 Bradbury S.E., Suite 218, Albuquerque, New Mexico 87106, U.S.A., owns all rights, title and interest in the following Biometric Patent Properties:

U.S. Serial No.	Filing Date	Title of Application
09/415,594	October 8, 1999	Apparatus and Method for Identification of Individuals by Near-Infrared Spectrum
09/832,534	April 11, 2001	Apparatus and Method of Biometric Identification or Verification of Individuals Using Optical Spectroscopy
09/874,740	June 5, 2001	Apparatus and Method of Biometric Determination Using Specialized Optical Spectroscopy Systems

WHEREAS, Lumidigm, Inc., a Delaware corporation with its principal offices located at 800 Bradbury S.E., Suite 213, Albuquerque, New Mexico 87106, U.S.A.;

NOW, THEREFORE, to all whom it may concern, be it known that pursuant to the parties' prior agreement, Rio Grande Medical Technologies, Inc.; has assigned and transferred, subject to certain reservations expressed in the prior agreement, the entire right, title and interest in the Biometric Patent Properties disclosed above, Lumidigm CIP's as defined in the prior agreement and divisional applications thereof, and foreign counterparts that correspond to such applications, and the patents that issue from such applications, including but not limited to letters patent and utility models, including any extension, substitution, registration, confirmation, reissue, re-examination or renewal thereof, and the foreign counterparts that correspond to such patents to the extent valid and enforceable rights are granted by a governmental authority thereunder.

The parties hereto acknowledg	e that they have specifically requested the present
agreement to be drawn up in the English	language.
IN TESTIMONY WHEREOF,	I have hereunto set my hand thisday of
OFFICIAL SEAL Kelli A. Vargas	Rio Grande Medical Technologies, Inc.
NOTARY PUBLIC STATE OF NEW MEXICO My Commission Expires: UNE 18, 2000	m. R n l m p (Assignor) By:
STATE OF NEW MOXICO.)	By: Title: President & CCO
COUNTY OF BUralilo)	
On this 10 day of 10tok	appeared
executed the foregoing instrument and ac	to me known to be the person described in and who
free act and deed.	knowledged that he/she executed the same as his/her
	\mathcal{A}_{0}
	Mall Alayons
	Notary Public
IN TESTIMONY WHEREOF, 1	have hereunto set my hand this 17th day of
OFFICIAL SEAL	Lumidigm, Inc.
Kelli A. Vargas	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
NOTARY PUBLIC STATE OF NEW MEXICO My Commission Expires: 2006	1 m Harlana
DATES: DAY TO COOP	By: (Assignee)
STATE OF NEW LLEXICO)	Title:
COUNTY OF BUNGLILO,	
On this 17 day of Octob	
R U 11 1 1 2 2 2	, 2002, before me personally appeared
- Maryon	to me known to be the person described in and who
executed the foregoing instrument and ack	nowledged that he/she executed the same as his/her
free act and deed.	()
	- All the
	Notary Public



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020204-001400US PMB

MARCM 31, 2003

PTAS

TOWNSEND AND TOWNSEND AND DREW LLP PATRICK M. BOUCHER
TWO EMBARCADERO CENTER, 8TH FLOOR SAN FRANCISCO, CA 94111-3834

Under Secretary of Commerce For Intellectual Property and Director of the United States Patent and Trademark Office Washington, DC 20231 www.uspto.gov



102297489A

UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 11/25/2002 REEL/FRAME: 013522/0869

NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

RIO GRANDE MEDICAL TECHNOLOGIES, DOC DATE: 10/16/2002

INC.

ASSIGNEE:

LUMIDIGM, INC.

800 BRADBURY S.E., STE. 213 ALBUQUERQUE, NEW MEXICO 87106

SERIAL NUMBER: 09415594 FILING DATE: 10/08/1999

PATENT NUMBER: ISSUE DATE:

SERIAL NUMBER: 09832534 FILING DATE: 04/11/2001

PATENT NUMBER: ISSUE DATE:

SERIAL NUMBER: 09874740 FILING DATE: 06/05/2001

PATENT NUMBER: ISSUE DATE:

VIOLET MCCOY, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

001400 12-02-2002 Attorney Docket No. 020204-001300US For PRIO-1595 Sheet U.S. Department of Commerce (Rev. 06-61) PANE 147 OMB No. 0651-0027 (exp. 5/31/2002) U.S. Patent and Trademark Office 102297489 Tab settings □ □ □ To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof 1. Name of conveying party(ies): 2. Name and address of receiving party(ies) Rio Grande Medical Technologies, Inc. Name: <u>Lumidigm, Inc.</u> Internal Address: 800 Bradbury S.E., Suite 213 Additional name(s) of conveying parties attached?

Yes

No. 3. Nature of conveyance: Street Address: 800 Bradbury S.E., Suite 213 Merger City: Albuquerque State: NM ZIP: 87106 Security Agreement ☐ Change of Name Additional names and addresses attached? ☐ Yes ☒ No Other: Execution Date: October 16, 2002 and October 17, 2002 4. Application number(s) or patent number(s). If this document is being filed together with a new application, the execution date of the application is: Patent Application No(s): B. Patent No(s): 09/415,594 09/832,534 09/874,740 Additional numbers attached?

Yes

No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved 3 concerning document should be mailed: 7. Total fee (37 CFR 3.41): -----\$120.00 Name: Patrick M. Boucher TOWNSEND AND TOWNSEND AND CREW LLP Two Embarcadero Center, 8th Floor ☐ Enclosed San Francisco, California 94111-3834 (303) 571-4000 Authorized to be charged to deposit account 8. Deposit account number: 20-1430 (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true of copy of the original document.

Patrick M. Boucher

Name of Person Signing Atty. Reg. No. 44,037 Signature

November 14, 2002

Date



ASSIGNMENT

WHEREAS, Rio Grande Medical Technologies, Inc., a New Mexico corporation with its principal offices located at 800 Bradbury S.E., Suite 218, Albuquerque, New Mexico 87106, U.S.A., owns all rights, title and interest in the following Biometric Patent Properties:

U.S. Serial No.	Filing Date	Title of Application
-09/415,594	October 8, 1999	Apparatus and Method for Identification of Individuals by Near-Infrared Spectrum
09/832,534	April 11, 2001	Apparatus and Method of Biometric Identification or Verification of Individuals Using Optical Spectroscopy
09/874,740	June 5, 2001	Apparatus and Method of Biometric Determination Using Specialized Optical Spectroscopy Systems

WHEREAS, Lumidigm, Inc., a Delaware corporation with its principal offices located at 800 Bradbury S.E., Suite 213, Albuquerque, New Mexico 87106, U.S.A.;

NOW, THEREFORE, to all whom it may concern, be it known that pursuant to the parties' prior agreement, Rio Grande Medical Technologies, Inc., has assigned and transferred, subject to certain reservations expressed in the prior agreement, the entire right, title and interest in the Biometric Patent Properties disclosed above, Lumidigm CIP's as defined in the prior agreement and divisional applications thereof, and foreign counterparts that correspond to such applications, and the patents that issue from such applications, including but not limited to letters patent and utility models, including any extension, substitution, registration, confirmation, reissue, re-examination or renewal thereof, and the foreign counterparts that correspond to such patents to the extent valid and enforceable rights are granted by a governmental authority thereunder.

•	The parties hereto acknowledge	that they have specifically requested the present
	agreement to be drawn up in the English lar	
	IN TESTIMONY WHEREOF I	have hereunto set my hand thisday of
	October , 2002.	nave hereditio set my name uns
		Rio Grande Medical Technologies, Inc.
- [OFFICIAL SEAL Kelli A. Vargas	
)	NOTARY PUBLIC (STATE OF NEW MEXICO	m. RNC mp (Assignor)
Ì	My Commission Expires: JUNE 18,20010	By: Title: President & C.CO
	STATE OF NEW HOXICO.)	Tiue: President a CCO
) ss.	
	COUNTY OF BECAULILLO)	5 4
	On this Me day of (1870b)	to me known to be the person described in and who
	executed the foregoing instrument and ack	mowledged that he/she executed the same as his/her
	free act and deed.	
•	•	Mall tilanas
		Notary Public
	IN TESTIMONY WHEREOF, I	have hereunto set my hand this Hthat day of
	Destober, 2002.	
	OFFICIAL SEAL	Lumidigm, Inc.
	Kelli A. Vargas	01
	My Commission Expires: 100 12 200 1	(Assignee)
		Title:
	On this 17 day of Ultob	2002, before me personally appeared
	R.M. Harborn	_ to me known to be the person described in and who
	executed the foregoing instrument and ack	mowledged that he/she executed the same as his/her
	free act and deed.	Dais A (
•		Notary Public
	OFFICIAL SEAL Kelli A. Vargas NOTARY PUBLIC STATE OF NEW MEXICO My Commission Expires: Janz 12, 2001 STATE OF DE LEXICO SS. COUNTY OF BYJALILO On this 17 day of PRIMARY Executed the foregoing instrument and ack	Lumidigm, Inc. Author (Assign By: Title: Du, 2002, before me personally appeared to me known to be the person described in and we have the person described in an analysis of the person





PATENT P5883 US 0045.0046

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In	re	App	lica	tion	of:
					•

F. Chong, Jr. et al. Serial No.: 10

10/104,923

Filed:

March 21, 2002

For:

MESSAGE ROUTING IN A

TORUS INTERCONNECT

Examiner: Not Yet Assigned

Art Unit: 2152

Assistant Commissioner of Patents Washington, D.C. 20231

TRANSMITTAL OF RESUBMITTED ASSIGNMENT

Dear Sirs:

In response to your Notice of Non-Recordation dated October 22, 2002, a copy of which is attached, enclosed please find a new Recordation Form Cover Sheet and the Assignment Documents for the subject application.

Respectfully submixted,

David W. Victor

Dated: November 15, 2002

Registration No. 39,867

KONRAD RAYNES VICTOR & MANN, LLP

315 S. Beverly Drive, Suite 210

Beverly Hills, CA 90212

(310) 556-7983

(310) 556-7984 (fax)

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner of Patents, Washington, D.C. 20231 on November 15, 2002.

David W. Victor

11/15/02 (Date)



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF DATENTS AND TRADEMARKS

OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

APRIL 05, 2000

PTAS

CROMPTON, SEAGER & TUFTE, LLC
DAVID M. CROMPTON
331 SECOND AVENUE SOUTH, SUITE 895
MINNEAPOLIS, MN 55401



UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/27/1999

REEL/FRAME: 010501/0170

NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR''S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

ROWE, ROBERT K.

DOC DATE: 12/17/1999

ASSIGNOR:

MILLER, WILLIAM A.

DOC DATE: 12/14/1999

ASSIGNOR:

GE, NANXIANG

DOC DATE: 12/03/1999

ASSIGNOR:

ROBINSON, MARK R.

DOC DATE: 12/17/1999

ASSIGNEE:

RIO GRANDE MEDICAL TECHNOLOGIES,

INC.

800 BRADBURY S.E., SUITE 217 ALBUQUERQUE, NEW MEXICO 87106

SERIAL NUMBER: 09415594

PATENT NUMBER:

FILING DATE: 10/08/1999

ISSUE DATE:

The second secon

PAULA MCCRAY, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

Form Pro-1584 RE	3-2000 U.S. DEPARTMENT OF CO
1-31-92 1 NWY	Patent and Trademark
Please record the attached on the	52378 ademarks:
1. Name of conveying party(ies): Robert K. Rowe William A. Miller Nanxiang Ge Mark R. Robinson	2. Name and address of receiving party(ies): Name: Rio Grande Medical Technologies, Inc. Internal Address:
Additional name(s) of conveying party(ies) attached? _ Yes	
3. Nature of conveyance: X Assignment _ Merger Security Agreement _ Change of Name Other	Street Address: <u>800 Bradbury S.E., Suite</u> City: <u>Albuquerque</u> State: <u>New Mexico</u> ZIP: <u>87</u>
Execution Date: December 17, 1999; December 14, 1999; December 3, 1999; and December 17, 1999	Additional name(s) & addresses attache _ Yes <u>X</u> No
 Application number(s) or patent number(s): If this document is being filed together with a new and a second sec	application, the execution date of the application B. Patent No.(s)
Additional numbers attaces. 5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and par
Name: <u>CROMPTON</u> , <u>SEAGER & TUFTE</u> , <u>LLC</u>	involved: 1 7. Total fee (37 CFR 3.41) \$40.00 X Enclosed o Authorized to be charged to depo
Address: 331 Second Avenue South, Suite 895 Minneapolis, MN 55401	8. Deposit Account Number: 50-0413 (Attach duplicate copy of this page if paying by deposit account)
7/2000 DNGUYEN 00000112 09415594 DO NOT USE TH	HIS SPACE
9. Statement and signature. To the best of my knowledge and belief, the foregoing is a true copy of the original document. David M. Crompton Name of Person Signing Signature	information is true and correct and any attached 12/23/99 Date
Total number of pages comprising cover sheet, attachment	s and document:4_
productions	

01-28-2000

ASSIGNMENT

WHEREAS, Robert K. Rowe residing at 229 Ashley Lane, Corrales, NM 87048; William A. Miller residing at 39 Camino del Valle, Santa Fe, NM 87501; Nanxiang Ge residing at 2 Tulip Drive, Newtown, PA 18940; and Mark R. Robinson, residing at 1415 Calle de Ranchero NE, Albuquerque, NM 87106 have made certain new and useful inventions and improvements for which they have executed an application for Letters Patent of the United States, which is entitled APPARATUS AND METHOD FOR IDENTIFICATION OF INDIVIDUALS BY NEAR-INFRARED SPECTRUM, filed on October 8, 1999, as U.S. Serial No. 09/415,594;

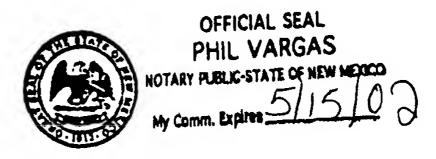
AND WHEREAS, Rio Grande Medical Technologies, Inc., a corporation organized and existing under and by virtue of the laws of the State of New Mexico, and having a business address of 800 Bradbury S.E., Suite 217, Albuquerque, New Mexico 87106 is desirous of acquiring the entire right, title and interest in and to said inventions, improvements, application, and Letters Patent to be obtained therefor;

NOW, THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of One Dollar and other good and valuable considerations, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said Rio Grande Medical Technologies, Inc., its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and we do hereby authorize and request the Commissioner of Patents to issue any and all United States Letters Patent for the aforesaid inventions and improvements to said Rio Grande Medical Technologies, Inc., its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any other documents, and will communicate to said Rio Grande Medical Technologies, Inc., its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable to more effectually secure to and vest in Rio Grande Medical Technologies, Inc., its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, we, Robert K. Rowe, William A. Miller, Nanxiang Ge, and Mark R. Robinson covenant and agree with said Rio Grande Medical Technologies, Inc., its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

The parties hereto acknowledge that they have specifically requested the present agreement to be drawn up in the English language.
IN TESTIMONY WHEREOF, I have hereunto set my hands this
Robert K. Rowe
STATE OF Vew Mexico)
STATE OF Vew Mexico) COUNTY OF Bernqlillo)
On this 17 day of December , 1999, before me personally appeared Robert K. Rowe to me known and known to me to be the person described in and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth.
Finda Ca Stein
Notary Public Officotion - 1-19-02
William A. Miller
STATE OF New Mexico
) ss. COUNTY OF SANA FE)
On this Hand day of December 1999, before me personally appeared William A. Miller to me known and known to me to be the person described in and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth. Notary Public



Nanxiang Ge

STATE OF New Sersey)
COUNTY OF Mercer) ss.)
Nanxiang Ge to me known and kno	wn to me to be the person described in and who executed the cknowledged to me that he executed the same for the uses and
•	Man Alela Sleichikson
	Notary Public MARY HELEN HENDRICKSON NOTARY PUBLIC OF NEW JERSEY My Commission Expires Feb. 4, 2003
	Mark R. Robinson
STATE OF New Mexico COUNTY OF BERNGLILLO)) ss.)
Robinson to me known and known	to me to be the person described in and who executed the eknowledged to me that he executed the same for the uses and
	Notary Public
	Notary Public Offication -1-19-02
	•